Table of Contents: Volume 11 (1996)

Number 1

A Synthetic Workload for a Distributed Real-Time System ..... *Daniel L. Kiskis and Kang G. Shin* 5

Improvement in Feasibility Testing for Real-Time Tasks ..... *Ismael Ripoll, Alfons Crespo, and Aloysius K. Mok* 19

Least Suffering Strategy in Distributed Real-Time Programming Language DROL ..... *Kazunori Takashio and Mario Tokoro* 41

A Compact Task Graph Representation for Real-Time Scheduling ..... *Rajiv Gupta and Madalene Spezialetti* 71

Contributing Authors 103

Number 2

Worst-Case Space and Time Complexity of Recursive Procedures ..... *Johann Blieberger and Roland Lieger* 115

Combining Static Worst-Case Timing Analysis and Program Proof ..... *Roderick Chapman, Alan Burns, and Andy Wellings* 145

Task Behavior Monitoring for Adaptive Real-Time Communication ..... *Sam K. Oh and Glenn H. MacEwen* 173

Invited Note

Invited Note: Java for Real-Time ..... *Kelvin Nilsen* 197

Contributing Authors 207

Number 3

Special Issue on the Engineering of Complex Real-Time Computer Control Systems
Guest Editor: George W. Irwin

Preface to the Special Issue on 'The Engineering of Complex Real-Time Computer Control Systems' ..... *George W. Irwin* 221

BASEMENT: A Distributed Real-Time Architecture for Vehicle Applications ..... *Hans A. Hansson, Harold W. Lawson, Mikael Strömberg, and Sven Larsson* 223

A Description Language for Engineering of Complex Real-Time Systems ..... *Alexander D. Stoyenko, Thomas J. Marlowe, and Phillip A. Laplante* 245

A Real-Time Self-Tuning Web Tension Regulation Scheme ..... *Brian T. Boulter and Zhiqiang Gao* 265

Application of the Genetic Algorithm to Real-Time Active Noise Control ..... *K. S. Tang, K. F. Man, S. Kwong, C. Y. Chan, and C. Y. Chu* 289

Contributing Authors 303